

ICS 25.100.50

CCS J 41



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 970.1-2008

Replacing GB/T 970.1-1994; GB/T 970.3-1994

**Circular screwing dies -- Part 1: The types and dimensions for
circular screwing dies and die stocks**

圆板牙 第1部分：圆板牙和圆板牙架的型式和尺寸

(English Translation)

Issued on: June 3, 2008

Implemented on: January 1, 2009

Issued by: Standardization Administration of China

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Foreword

GB/T 970 "round die," consists of two parts.

--- Part 1. round die and round die holder type and size;

--- Part 2. Technical requirements.

This section GB/T 970 - Part 1.

The partial modification of the use of ISO 2568. 1988 "hand and machine round Banya and hand die stocks." This part of ISO 2568. 1988's the main differences are as follows.

--- Remove the foreword to international standards;

--- With "this Part" instead of the "international standards", the symbol used as the decimal place of the comma " , " . " , " ;

--- Standard name changed to "round die Part 1. round die and round die holder type and size";

--- In the range, it is prescribed for the thread round die precision machining;

--- Deleted inch thread round die series;

--- Table 1. Increase the Notes to Table "according to user needs, M16 round die thickness E 14mm size can be made";

--- Table 2. fine pitch threads with ordinary round die adds some size, some specifications of the table adds E1 and D1 size;

--- Mark example of the tool according to the unified standard format and content of the preparation;

--- Remove the dimensional characteristics of metric and imperial thread round die summary table;

--- Added Appendix A "fine pitch threads with ordinary round die thickness E of the Supplementary Provisions";

--- Added Appendix B "Die stocks added dimension." this part is GB/T 970.1-1994 "circular die types and dimensions" and GB/T 970.3-1994 "Die stocks and mutual for the size "of the amendment.

This portion of the GB/T 970.1-1994 and GB/T 970.3-1994 main changes are as follows.

--- Original GB/T 970.1-1994 and GB/T 970.3-1994 merged into one section;

--- Standard name changed to "round die Part 1. round die and round die holder type and size";

--- Added "foreword";

Some pitch added brackets;

--- Table 1. Increase the Notes to Table "according to user needs, M16 round die thickness E 14mm size can be made";

--- Table 2. M30 x 3 round die size Rao from "1" to "2";

--- Appendix A. an increase of some common thread with fine pitch round die specifications and dimensions corresponding to the thickness of the E series, increasing the outer diameter D Dimension series;

--- Appendix B. an increase in Appendix A complete circle round die die frame specifications.

Since the implementation of this section instead of GB/T 970.1-1994 and GB/T 970.3-1994.

This section of the Appendix A, Appendix B are normative appendix.

This part is proposed by China Machinery Industry Federation.

This part of the tool by the National Standardization Technical Committee (SAC/TC91) centralized.

This section is drafted. Chengdu Tool Institute.

1 Scope

This section provides the basic requirements circle round die and die frame types and sizes.

This section applies to the processing of common screw (GB/T 192 ~ 193, GB/T 196 ~ 197) 6g tolerance zone of hand and machine round die and Supporting hand circular die holder. Depending on need but also produce 6e, 6f, 6h tolerance zone round die, round die by 6g manufactured in most by the number of cases it can also meet the needs 6h tolerance zone.

2 Normative references

The following documents contain provisions which, through reference in this text, constitute provisions of this part. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this section, however, encourage the parties to this part of the research agreement Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 3 thread ending, from the shoulder, undercuts and chamfers (GB/T 3-1997, eqv ISO 3508. 1976) GB/T 192 ordinary screw threads - Basic model (GB/T 192-2003, ISO 68-1:1998, MOD) GB/T 193 series ordinary thread diameter and pitch (GB/T 193-2003, ISO 261:1998, MOD) GB/T 196 common thread basic size (GB/T 196-2003, ISO 724:1993, MOD) GB/T 197 common thread tolerance (GB/T 197-2003, ISO 965-1:1998, MOD) GB/T 970.2 round die Part 2. Technical requirements

3 Type and size

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round die of the type shown in Figure 1, the size given in Table 1 and Table 2.

Note 1: The number of holes in the chip is not specified.

Note 2: Cone customized by the manufacturer, but at least one end of the Cone length should comply with the threaded closure (GB/T 3) of.

Figure 1